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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
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07/14/2003

Robert Victor Holland

72191

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05/21/2009

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EXAMINER

SMITH, MARCUS

ART UNIT

PAPER NUMBER

2419

NOTIFICATION DATE

DELIVERY MODE

05/21/2009

ELECTRONIC

Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

Notice of the Office communication was sent electronically on above-indicated "Notification Date" to the following e-mail address(es):

creganoa@addmg.com

Office Action Summary	Application No. 10/619,327	Applicant(s) HOLLAND ET AL.	
	Examiner MARCUS R. SMITH	Art Unit 2419	

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☒ Responsive to communication(s) filed on 3/03/09.
- 2a) ☒ This action is **FINAL**. 2b) ☐ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 1-3, 5, 6, 8 and 9 is/are pending in the application.
- 4a) Of the above claim(s) _____ is/are withdrawn from consideration.
- 5) ☐ Claim(s) _____ is/are allowed.
- 6) ☒ Claim(s) 1-3, 5-6, 8, and 9 is/are rejected.
- 7) ☐ Claim(s) _____ is/are objected to.
- 8) ☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on _____ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some * c) ☐ None of:
1. ☐ Certified copies of the priority documents have been received.
2. ☐ Certified copies of the priority documents have been received in Application No. _____.
3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

* See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- | | |
|--|---|
| 1) <input type="checkbox"/> Notice of References Cited (PTO-892) | 4) <input type="checkbox"/> Interview Summary (PTO-413) |
| 2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948) | Paper No(s)/Mail Date. _____ |
| 3) <input type="checkbox"/> Information Disclosure Statement(s) (PTO/SB/08) | 5) <input type="checkbox"/> Notice of Informal Patent Application |
| Paper No(s)/Mail Date _____ | 6) <input type="checkbox"/> Other: _____ |

DETAILED ACTION

Response to Amendment

1. The amendment filed on 3/03/09 has been considered but is ineffective to overcome the previous prior art references.

Claim Objections

2. Claims 1, 5, and 8 are objected to because of the following informalities: the examiner recommends that the applicant re-write the added limitation due to a series of double negatives. Appropriate correction is required.
3. Claims 3, 6, 9 are objected to because of the following informalities: the claims address the same subject matter as the added limitation of independent claims. Appropriate correction is required.

Claim Rejections - 35 USC § 103

4. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

5. Claims 1-3, 5-6, 8, and 9 are rejected under 35 U.S.C. 103(a) as being unpatentable over Sasamoto (US 6,647,264) in view of Moriyama (US 6,741,696).

With regard to claim 1, Sasamoto teaches:

For use with a limited access multinode cooperative telecommunication network (see figure 1), wherein a respective node (gateway, and mobile routers) comprises operative to service multiple telecommunication devices coupled to said respective node (column 3, lines 44-55), each communication device having an extension that is used in the course of routing a call from a calling communication device to a called communication device (column 4, lines 1-16: The examiner views the address of the mobile node as the extension), a method of routing a call from a calling communication device at a first node to a called device at another node comprising the steps of (figures 5a (describes the steps) and 7c (shows the process through the network)):

(a) transmitting a query message from said first node (gateway, 114) to all other nodes (routers, 111,112, and 113) of said network, said query message being operative to determine whether a respective node receiving said query message is coupled to said called device as a queried target (mobile, 130) (step s504) (column 5, lines 15-22 and column 6, lines 55-57);

(b) at a second node (router 112) to which said called device is coupled, transmitting a reply message to said first node indicating that said second node is coupled to said called device (steps 505) (column 5, lines 22-26 and column 6, lines 57-61), such that other nodes (routers 111, 113) not having the called device coupled thereto ignore the query message and do not transmit a reply message indicative that the respective node not replying does not have the queried target for location or routing (In figure 6 teaches how the routers, which do not have mobile device, will not send a reply message to gateway (first node) by bypassing the steps 607-609, after step 605.

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Also, the examiner views routers that do not reply to search request as ignoring the message. Column 6, lines 1-7 and 55-65); and

(c) in response to receipt of said reply message by said first node, routing said call from said first node to said second node, so that said second node may complete the connection of said call to said called device (step 506) (column 5, lines 28-35 and column 6, lines 63-66) without requiring a copy of dialing plans for all other nodes.

Sasamoto discloses all of the subject matter as described above except for wherein each node comprises a private branch exchange and each having a separate dialing plan and operative to service multiple telecommunication devices coupled to said respective node through the respective separate dialing plan for a node, each communication device having an extension within a respective dialing plan for a node that is used in the course of routing a call from a calling communication device to a called communication device.

Moriyama teaches PBX that can communicate with other PBXs to exchange information (column 5, lines 50-67 to column 6, lines 1-10, see figure 4) for controlling communication lines in order to a more efficient call distributing system (column 2, lines 20-26). Each PBX has a separated database that stores the extension line group (dialing plan)(column 4, lines 10-30). This PBX each have separated databases for extension group and exchange control information from each PBX (column 5, lines 8-26) in order to reduce traffic flow for each PBX (column 6, lines 20-30)

Sasamoto is another form of call distributing system, the gateways and routers exchange information about the location of mobile device in the system. Each router or

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gateway has a routing table for routing the call to its mobile device. Therefore it would have been obvious to one having ordinary skill in the art at the time invention was made have each node be a private branch exchange and each having a separate dialing plan and operative to service multiple telecommunication devices coupled to said respective node through the respective separate dialing plan for a node as taught by Moriyama in the call distributing system of Sasamoto in order to have a more efficient call distributing system and reduce traffic load on each node.

The combination of Sasamoto, and Moriyama will have the routing table stores also the extension for the mobile node as well as its IP address. The mobile node's extension can be its telephone number. In Sasamoto, the gateway only updates its routing table from the information on the replied router connected to called device. Thus the Sasamoto does not require a copy of dialing plans *for all* other nodes.

with regard to claim 5, Sasamoto teaches (see claim 1, except for):

(a) in response to the placement of a call from a communication device coupled to a first node (gateway114) (step 501), causing said first node to examine an associated call plan (routing table) therefor to determine whether said first node is coupled to said called device (step 502)(column 5, lines 15-22 and column 6, lines 55-57):

With regard to claim 8, Sasamoto teaches (See claim 1, except for):

(a) storing at each node a call plan that contains only communication device extensions that are coupled to said each node (step 404, column 4, lines 59-64: The

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combination Sasamoto, and Moriyama will have the routing table stores also the extension for the mobile node as well as its IP address);

(b) in response to the placement of a call from a communication device coupled to a first node, causing said first node to examine an associated call plan only therefor, so as to determine whether said first node is coupled to said called device (steps 501-502)(column 5, lines 15-22 and column 6, lines 55-57);

with regard to claim 2, Sasamoto teaches (figure 5a):

The method according to claim 1, wherein step (a) includes the precursor step of causing said first node to examine an associated call plan therefor to determine whether said first node is coupled to said called device (step 502)(column 5, lines 15-22 and column 6, lines 55-57).

With regard to claims 3, 6, and 9, Sasamoto teaches (figure 7c):

The method according to claim 1, wherein step (b) comprises at one or more third nodes (the examiner views the third nodes as the other nodes described in claim 1 as other nodes) to which said called device is not coupled, ignoring said query message, so that no reply message is transmitted therefrom (column 6, lines 58-62).

Response to Arguments

6. Applicant's arguments with respect to claims 1-3, 5-6, 8, and 9 have been considered but are moot in view of the new ground(s) of rejection.

Conclusion

7. Applicant's amendment necessitated the new ground(s) of rejection presented in this Office action. Accordingly, **THIS ACTION IS MADE FINAL**. See MPEP § 706.07(a). Applicant is reminded of the extension of time policy as set forth in 37 CFR 1.136(a).

A shortened statutory period for reply to this final action is set to expire **THREE MONTHS** from the mailing date of this action. In the event a first reply is filed within **TWO MONTHS** of the mailing date of this final action and the advisory action is not mailed until after the end of the **THREE-MONTH** shortened statutory period, then the shortened statutory period will expire on the date the advisory action is mailed, and any extension fee pursuant to 37 CFR 1.136(a) will be calculated from the mailing date of the advisory action. In no event, however, will the statutory period for reply expire later than **SIX MONTHS** from the date of this final action.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to **MARCUS R. SMITH** whose telephone number is (571)270-1096. The examiner can normally be reached on Mon-Thurs: 7:30 am - 5:00 p.m. and every other Friday.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Pankaj Kumar can be reached on 571 272-3011. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

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Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

MRS 5/15/09

/Pankaj Kumar/

Supervisory Patent Examiner, Art Unit 2419